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Department of Energy

Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246
(513) 648-3155

DEC 3 2004

Mr. James A. Saric, Remedial Project Manager
United States Environmental Protection Agency
Region V, SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0076-05

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

ON-SITE DISPOSAL FACILITY VALVE HOUSE AND LINER SYSTEM FOR CELL 8 INITIATION OF IMPACTED MATERIAL PLACEMENT

Reference: Letter, J. Fleck, GeoSyntec to G. Stumbo, Fluor Fernald, "Interim Construction Certification Phase V – Cell 8 Valve House and Liner System Construction Project On-Site Disposal Facility," dated December 2, 2004

The purpose of this letter is to inform you that the construction of On-Site Disposal Facility (OSDF) Valve House and Liner System for Cell 8 with subsequent leak location survey have been successfully completed.

Based on the construction quality assurance performed on the valve house and liner system, including the leak location survey, OSDF Cell 8 is ready for impacted material placement. With the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA) concurrence, initiation of impacted material placement will start immediately, weather permitting.

If you have any questions or require additional information, please contact Johnny Reising at (513) 648-3139.

Sincerely

W J Taylor

William J. Taylor
Manager

FCP:Reising

Enclosure: As Stated

cc w/enclosure:
D. Pfister, OH
J. Reising, OH
T. Schneider, OEPA-Dayton (three copies of enclosure)
G. Jablonowski, USEPA-V, SR-6J
F. Bell, ATSDR
M. Cullerton, Tetra Tech
M. Shupe, HSI GeoTrans
R. Vandegrift, ODH
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosure:
R. Abitz, Fluor Fernald, Inc./MS64
K. Alkema, Fluor Fernald, Inc./MS01
L. Barlow, Fluor Fernald, Inc./MS52-3
J. Chiou, Fluor Fernald, Inc./MS64
R. Friske, Fluor Fernald, Inc./MS52-3
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F. Johnston, Fluor Fernald, Inc./MS52-5
S. Lorenz, Fluor Fernald, Inc./MS52-3
C. Murphy, Fluor Fernald, Inc./MS01
D. Nixon, Fluor Fernald, Inc./MS01
D. Powell, Fluor Fernald, Inc./MS64
M. Stumbo, Fluor Fernald, Inc./MS60
B. Zebick, Fluor Fernald, Inc./MS60
ECDC, Fluor Fernald, Inc./MS52-7

GEOSYNTEC CONSULTANTS

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2 December 2004

Mr. Gordon M. Stumbo
OSDF Construction Manager
Demolition, Soil and Disposal Project
Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, Ohio 45253-8704

RE: Interim Construction Certification
Phase V – Cell 8 Valve House and Liner System Construction Project
On-Site Disposal Facility (OSDF)
Fernald Closure Project, Fernald, Ohio

Mr. Stumbo,

GeoSyntec Consultants (GeoSyntec) provided Title 3 Engineering Services and Construction Quality Control (CQC) services during the OSDF Phase V – Cell 8 liner system and valve house construction project at the Fernald Closure Project (FCP) site. The purpose of this letter is to document that, based on the Title 3 Engineering Services and CQC activities performed by GeoSyntec, construction of the Cell 8 liner system and Valve House 8 (VH-8) is ready to receive impacted material.

GeoSyntec CQC personnel provided monitoring, testing, and documentation services during construction and installation of the concrete, piping, soil and geosynthetic components of VH-8 and the Cell 8 liner system, including the prepared subgrade, compacted clay liner, granular leachate collection and detection layers, geosynthetic clay liners, geomembrane liners, geotextile cushion and filter layers, concrete walls, secondary containment system in VH-8, and leachate collection piping systems. Field reports, monitoring logs, geotechnical and geosynthetic testing reports, leak detection test reports, and other associated documentation have been reviewed for accuracy and completeness.

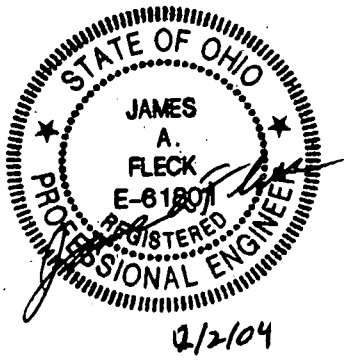
The south, east, and west perimeter clay wedges were constructed around cell 8 and connected into the Cell 7 clay wedges. All clay wedges for Cells 7 and 8 have been completed.

Based on the observations and documentation, the OSDF Valve House 8 and Cell 8 liner system construction has been completed in general accordance with the project technical specifications, drawings, CQA Plan, and approved design and/or specification changes. The construction has been in full compliance with Applicable or

Relevant and Appropriate Requirements (ARARs), functional requirements and approved during the OSDF design process. On the basis of our observations and testing, Cell 8 and Valve House 8 is acceptable and ready to begin receiving impacted material meeting the OSDF Waste Acceptance Criteria (WAC).

GeoSyntec is in the process of completing a final certification report including CQC documentation and as-built drawings on the construction of the Phase V – Cell 8 liner system and VH-8 construction project. The final certification report, which will include documentation of the placement of the impacted protective layer component of the Cell 8 liner system, will be submitted at the end of the construction season.

Should you have any questions regarding his letter, please do not hesitate to contact the undersigned.



Respectfully Submitted,
GeoSyntec Consultants

James A. Fleck, P.E.
Project Manager/Engineer-of-Record

CC:
J.D. Chiou, Ph.D., P.E., Fluor Fernald, Inc.
Uday Kumthekar, P.E., Fluor Fernald, Inc.
Charles C. Van Arsdale, Fluor Fernald, Inc.
Dan Powell, Fluor Fernald, Inc.
Reinhard Friske, Fluor Fernald, Inc.
Don Goetz, Fluor Fernald, Inc.
Collin Sukow, GeoSyntec CQC